

10. (New) An isolated polypeptide according to claim 8 comprising at least one of SEQ ID NO:2-6 and 8-14.

11. (New) An isolated polypeptide according to claim 8 comprising at least one of SEQ ID NO:2-6, or a subsequence thereof having at least 16 consecutive residues thereof and comprising one or more unboxed residues in at least one of Table 1 and Table 2.

12. (New) An isolated polypeptide according to claim 8 comprising at least one of SEQ ID NO:2-6, or a subsequence thereof having at least 64 consecutive residues thereof and comprising one or more unboxed residues in at least one of Table 1 and Table 2.

13. (New) An isolated polypeptide according to claim 8 comprising at least one of SEQ ID NO:2, or a subsequence thereof having at least 16 consecutive residues thereof and comprising one or more unboxed residues in Table 2.

14. (New) An isolated polypeptide according to claim 8 comprising at least one of SEQ ID NO:2, or a subsequence thereof having at least 64 consecutive residues thereof and comprising one or more unboxed residues in Table 2.

15. (New) An isolated polypeptide according to claim 8 comprising SEQ ID NO:2.

16. (New) An isolated polypeptide according to claim 8, comprising at least one of SEQ ID NO:02, residues 1-10; SEQ ID NO:02, residues 29-41; SEQ ID NO:02, residues 75-87; SEQ ID NO:02, residues 92-109; SEQ ID NO:02, residues 132-141; SEQ ID NO:02, residues 192-205; SEQ ID NO:02, residues 258-269; SEQ ID NO:02, residues 295-311; SEQ ID NO:02, residues 316-330; SEQ ID NO:02, residues 373-382; SEQ ID NO:02, residues 403-422; SEQ ID NO:02, residues 474-485; SEQ ID NO:02, residues 561-576; SEQ ID NO:02, residues 683-697; SEQ ID NO:02, residues 768-777; SEQ ID NO:02, residues 798-813; SEQ ID NO:02, residues 882-894; SEQ ID NO:02, residues 934-946; SEQ ID NO:02, residues 1054-1067; SEQ ID NO:02, residues 1181-1192; SEQ ID

~~NO:02, residues 1273-1299; SEQ ID NO:02, residues 1383-1397; SEQ ID NO:02, residues 1468-1477; and SEQ ID NO:02, residues 1508-1517.~~

17. (New) A polypeptide made by expressing a recombinant nucleic acid comprising a coding strand encoding a polypeptide comprising at least one of SEQ ID NO:2-6 and 8-14, or a subsequence thereof having at least 16 consecutive residues thereof and comprising one or more unboxed residues in at least one of Table 1 and Table 2, wherein said strand is flanked by fewer than 500 bp of native flanking sequence.

18. (New) A polypeptide according to claim 17 made by expressing a recombinant nucleic acid comprising a coding strand encoding a polypeptide comprising at least one of SEQ ID NO:2, or a subsequence thereof having at least 64 consecutive residues thereof and comprising one or more unboxed residues in Table 2, wherein said coding strand is flanked by fewer than 500 bp of native flanking sequence.

19. (New) A polypeptide according to claim 17 made by expressing a recombinant nucleic acid comprising a coding strand encoding a polypeptide comprising at least one of SEQ ID NO:2, or a subsequence thereof having at least 64 consecutive residues thereof and comprising one or more unboxed residues in Table 2, wherein said strand is flanked by fewer than 500 bp of native flanking sequence and said strand comprises SEQ ID NO:1, or a fragment thereof encoding said subsequence.

20. (New) A method of identifying agents which modulate the interaction of Robo and a Robo ligand, said method comprising the steps of:
combining a Robo polypeptide, a Slit polypeptide according to claim 8, and a candidate agent under conditions whereby, but for the presence of the agent, the Robo and Slit polypeptides engage in a first interaction, and
determining a second interaction of the Robo and Slit polypeptides in the presence of the agent,
wherein a difference between the first and second interactions indicates that the agent modulates

~~the interaction of the Robo and Slit polypeptides.~~

21. (New) A method of identifying agents which modulate the interaction of Robo and a Robo ligand, said method comprising the steps of:

combining a Robo polypeptide, a Slit polypeptide according to claim 9, and a candidate agent under conditions whereby, but for the presence of the agent, the Robo and Slit polypeptides engage in a first interaction, and

determining a second interaction of the Robo and Slit polypeptides in the presence of the agent,

C wherein a difference between the first and second interactions indicates that the ^{agent} ~~agent~~ modulates the interaction of the Robo and Slit polypeptides.

22. (New) A method of identifying agents which modulate the interaction of Robo and a Robo ligand, said method comprising the steps of:

BI combining a Robo polypeptide, a Slit polypeptide according to claim 12, and a candidate agent under conditions whereby, but for the presence of the agent, the Robo and Slit polypeptides engage in a first interaction, and

determining a second interaction of the Robo and Slit polypeptides in the presence of the agent,

C wherein a difference between the first and second interactions indicates that the ^{agent} ~~agent~~ modulates ~~the interaction of the Robo and Slit polypeptides.~~

23. (New) A method of identifying agents which modulate the interaction of Robo and a Robo ligand, said method comprising the steps of:

combining a Robo polypeptide, a Slit polypeptide according to claim 14, and a candidate agent under conditions whereby, but for the presence of the agent, the Robo and Slit polypeptides engage in a first interaction, and

determining a second interaction of the Robo and Slit polypeptides in the presence of the agent,

C wherein a difference between the first and second interactions indicates that the ^{*agent*} ~~agent~~ modulates the interaction of the Robo and Slit polypeptides.

24. (New) A method of modulating the interaction of Robo and a Robo ligand, said method comprising the step of

combining a Robo polypeptide, a Slit polypeptide according to claim 8, and a modulator under conditions whereby, but for the presence of the modulator, the Robo and Slit polypeptides engage in a first interaction, and whereby the Robo and Slit polypeptides engage in a second interaction different from the first interaction.

25. (New) A method of modulating the interaction of Robo and a Robo ligand, said method comprising the step of

B1 combining a Robo polypeptide, a Slit polypeptide according to claim 9, and a modulator under conditions whereby, but for the presence of the modulator, the Robo and Slit polypeptides engage in a first interaction, and whereby the Robo and Slit polypeptides engage in a second interaction different from the first interaction.

26. (New) A method of modulating the interaction of Robo and a Robo ligand, said method comprising the step of

combining a Robo polypeptide, a Slit polypeptide according to claim 12, and a modulator under conditions whereby, but for the presence of the modulator, the Robo and Slit polypeptides engage in a first interaction, and whereby the Robo and Slit polypeptides engage in a second interaction different from the first interaction.

27. (New) A method of modulating the interaction of Robo and a Robo ligand, said method comprising the step of

combining a Robo polypeptide, a Slit polypeptide according to claim 14, and a modulator under conditions whereby, but for the presence of the modulator, the Robo and Slit polypeptides engage in a first interaction, and whereby the Robo and Slit polypeptides engage in a second